National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES **NVLAP LAB CODE 200405-0**

NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1 Compliant

DIMENSIONAL

NVLAP Code: 20/D03
Gage Blocks

Range in inch	***Best Uncertainty (±) in µinch*** [notes 1, 2]	***Remarks***
> 0 to 4	(3.5 + 2L)	

NVLAP Code: 20/D05
Length

Micrometers - in lab and field service

Range in inch	***Best Uncertainty (±) in µinch*** [notes 1, 2]	***Remarks***
> 0 to 24	(40 + 2L)	

Dial Indicators - in lab and field service

> 0 to 2	50

Optical Comparators - in lab and field service linear measurements

> 0 to 8	150

2006-10-01 through 2007-09-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

CALIBRATION LABORATORIES **NVLAP LAB CODE 200405-0**

Calipers - in lab and field service

> 0 to 36	(85 + 2L)	

NVLAP Code: 20/D07
Thread Measuring Wires

Range	***Best Uncertainty (±) in µinch*** [notes 1, 2]	***Remarks***
Up to 80 pitch	24	Light Wave Micrometer

NVLAP Code: 20/D11
Spherical Diameter - Plain Rings

Range in inch	***Best Uncertainty (±) in µinch*** [notes 1, 2]	***Remarks***
> 0 to 8	(50 + 5L)	

NVLAP Code: 20/D12
Granite Surface Plates - in lab and field service

Range	***Best Uncertainty (±) in µinch*** [notes 1, 2]	***Remarks***
Up to 12 ft	50 per ft	"Modified Moody Method"

NVLAP Code: 20/D14
Threaded Plug Gages - Pitch Diameter

Range in inch	***Best Uncertainty (±) in µinch*** [notes 1, 2]	***Remarks***
> 0 to 4	100	

Threaded Ring Gages - Functional Diameter

> 0 to 4	100	

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MECHANICAL

NVLAP Code: 20/M06
Force - Torque Wrenches

Range	*Best Uncertainty (±) in % of reading* [note 1]	*Remarks*
> 0 in oz to 50 in oz	1.0	Compared to transducers
> 0 in lb to 30 in lb	1.0	Compared to transducers
> 0 in lb to 600 in lb	1.0	Compared to transducers
> 0 ft lb to 250 ft lb	1.0	Compared to transducers

1. Represents an expanded uncertainty using a coverage factor, k = 2, at an approximate level of confidence of 95 %.
2. L is in inches.

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